

**ARIZONA GAME AND FISH DEPARTMENT  
HABITAT PARTNERSHIP COMMITTEE  
HABITAT ENHANCEMENT AND WILDLIFE MANAGEMENT PROPOSAL**

Game Branch / HPC Project Number: 15-620

**PROJECT INFORMATION**

**Project Title:** Scarlet Spring Solar Pump Project

**Region and Game Management Unit:** Region VI GMU 23

**Local Habitat Partnership Committee (LHPC):**

- Payson Natural Resource Committee

**Was the project presented to the LHPC?**

**YES**☒ **NO**☐

**Has this project been submitted in previous years?** YES☐ NO☒

**If Yes, was it funded?** YES☐ NO☐ → **Funded HPC Project #(s):**

**Project Type:** Solar powered spring redevelopment

**Brief Project Summary:**

This proposal is to provide funding to the permittee to redevelop a spring that doesn't function properly by utilizing solar panels to pump the water to a drinker located 1/8 a mile from the spring. The spring is located southeast of Young off Forest Road 54. The spring is also in need of larger capacity holding tank to supply water to wildlife and other non-game animals.

**Big Game Wildlife Species to Benefit (% benefit per species) :** elk 30%, mule deer 50%, bear 10%, and turkey 10%

**Implementation Schedule (Month/Day/Year):**

Project Start Date:

04/2016

Project End Date:

10/2016

**Environmental Compliance:**

NEPA Completed: Yes☐ No☒ N/A☐

Projected Completion Date: 01/2016

State Historic Preservation Office - Archaeological Clearance:  
(Provide Attachment)

Yes☐ No☒ N/A☐

Projected Completion Date: 01/2016

Arizona Game and Fish Department EA Checklist: N/A☐

To be Completed by: Danny Rodriguez

Projected Completion Date: 01/2016

**PROJECT FUNDING**

**Special Big Game License Tag Funds Requested:**

\$ 5,900

**Cost Share or Matching Funds:**

\$ 5,400

**Total Project Costs:**

\$ 11,300

**PARTICIPANT INFORMATION**

**Applicant** (please print):

Danny Rodriguez

**Address:**

7200 E University Dr  
Mesa AZ 85207

**E-mail:**

jrodriguez@azgfd.gov

**Telephone:** 928-525-4380

**Date:** September 1, 2015

**AGFD Contact and Phone No.** (If applicant is not AGFD personnel):

**Project has been coordinated with:**

Woody Cline (permittee) and Tonto National Forest

**NEED STATEMENT – PROBLEM ANALYSIS:**

The Scarlet Spring is one of the few springs near Young/Pleasant Valley that is utilized heavily by wildlife and cattle. This spring is currently in need of repair to increase it's pumping efficiency from the spring to a drinker. The system has since exceeded its capacity and is in need of an upgrade. The holding tanks are also in need of an upgrade due to it's limited holding capabilities. In addition, perennial water is limited to Cherry creek to the west and a few dirt tanks to the north and south.

**PROJECT OBJECTIVES:**

Provide wildlife water for both game and non-game species in the southern portion of Hog Canyon.  
Provide additional perennial water for wildlife.

**PROJECT DESCRIPTION AND STRATEGIES:**

(How will you implement project)

This strategy for this proposal is to provide funding to the permittee to purchase materials needed to redevelop this spring to increase its efficiency and to increase the water holding tanks capabilities. The proposed strategy is to utilize solar panels, a solar pump, a control box, and 2 -3,000 gallon holding tanks.

The permittee obtained an upgraded trough and poly pipe from Tonto National Forest Pleasant Valley Ranger District. The permittee will cost share the labor for this project.

The poly pipe used will stretch about 1/8 a mile north to the drinker.

This project is undergoing the NEPA process and will not be completed before the September 1 deadline, but will be completed before the implementation of these tanks.

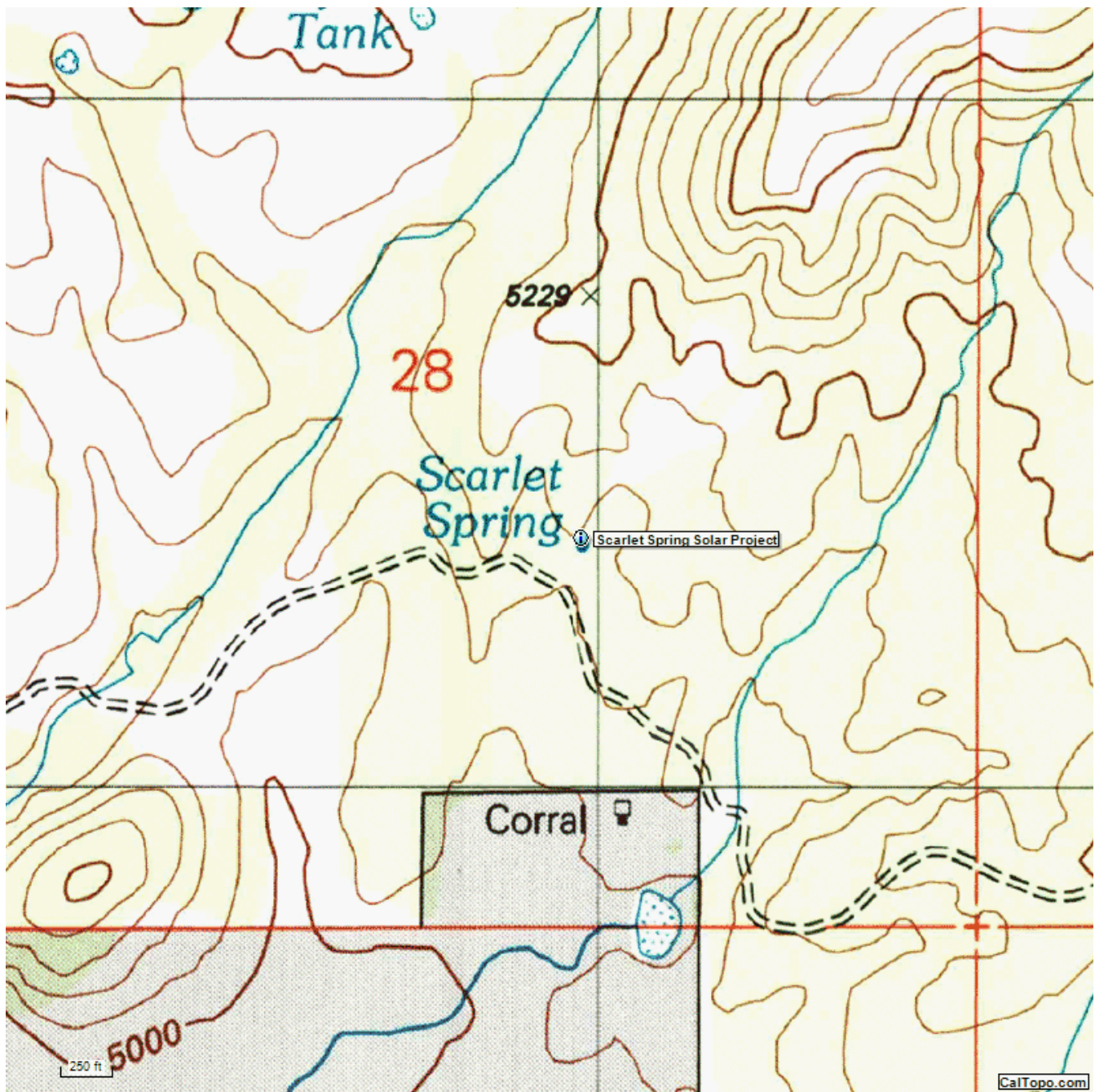
**PROJECT LOCATION**

(Please provide lat/long of project area and datum. If project is larger than one point, please add multiple lat/long points or an existing shape file of the project area)

This project is located in the Pleasant Valley Ranger District near Hog Canyon, just East of Forest Road 54.

UTM- Scarlet Spring Solar Project Proposal

- 37772363.06 N
- 507976.47 E



**LAND OWNERSHIP AT THE PROJECT SITE(S):**

(If the project area is private property, please state specifically and provide the landowner's name)

- The proposed sites are located on Tonto National Forest property managed by the Pleasant Valley Ranger District.

*IF PRIVATE PROPERTY, IS THERE A COOPERATIVE BIG GAME STEWARDSHIP or LANDOWNER AGREEMENT BETWEEN THE LANDOWNER AND THE DEPARTMENT?*

YES[] NO[] N/A[X]

### **HABITAT DESCRIPTION:**

The primary habitat type where these proposed dirt tank's construction would take place is Pinyon-Juniper Grassland mixed with oak-woodland. The elevation range is from 5,000-5,200 feet.

### **ITEMIZED USE OF FUNDS:**

#### Special Big Game License Tag Funds

**Total funds requested** – \$5,900

- Solar system - \$2,500
- Storage tank- (2) 3,000 Gallon @ \$1,700 - \$3,400

#### Cost Share or Matching Funds (for volunteer labor rates please refer to the worksheet below)

- Woody Cline (Visits, coordination, facilitation ) – \$1,200
- USFS (NEPA, ARCH clearances, visits, etc) - \$3,200
- AGFD (Coordination, write-up, facilitation, etc) - \$1,000

**Total Cost Share** - \$5,400

### **LIST COOPERATORS AND DESCRIBE POTENTIAL PARTICIPATION:**

#### Permitee

- Provide labor
- Facilitate purchases

#### Arizona Game and Fish Department

- Provided in-kind contributions in the form of labor for contract administration, project origination, and project coordination/completion.

#### U.S. Forest Service, Tonto National Forest, Pleasant Valley Ranger District

- Provided administrative support in the form of necessary NEPA and archaeological clearances.
- Provide letter of approval for implementation of project.
- Provide trough and poly pipe

### **WOULD IMPLEMENTATION OF THIS PROJECT ASSIST IN PROVIDING, MAINTAINING, OR FACILITATING RECREATIONAL ACCESS?**

YES[] NO[X] N/A[]

**PROJECT MONITORING PLAN:**

Arizona Game and Fish Department District Wildlife Manager will monitor the project until completion.

**PROJECT MAINTENANCE:**

Permitee will provide maintenance as required.

**PROJECT COMPLETION REPORT TO BE FILED BY:**

Arizona Game and Fish Department District Wildlife Manager will file a completion report.

**WATER DEVELOPMENT PROJECTS** (please use the worksheet below):

**ATTACHMENTS:**

(Please provide cultural clearance documentation from land management agency, e.g., FONSI, Inventory Standards, etc. Also attach any project pictures)

## **ARIZONA GAME AND FISH DEPARTMENT** **WATER DEVELOPMENT WORKSHEET**

**PROJECT TITLE:** \_\_\_\_\_

- 1) **Is the water development listed as a priority in the most recent “Wildlife Water Development Annual Implementation Schedule?”**  
This project is not required to be listed under the Wildlife Water Development Annual Implementation due to it not being priority water listed through our department.
- 2) **Please list the Development Branch personnel and date coordinated with for this project.**  
Development Branch was not required for this project.
- 3) **What is the estimated annual inches of precipitation for the area? (mark one)**  
☐2-4   ☐4-6   ☐6-8   ☐8-10   ☐10-12   ☐12-14   ☐14-16   ☒ >16
- 4) **Is there a perennial water source available to big game within four miles of this project?**

YES☒ (please complete #5 below)   NO☐ (skip #5 below)

- 5) **For the accessible, perennial water source nearest this project:**  
Name of water source: Cherry Creek  
Type of water source (catchment, spring, dirt tank): Creek  
Ownership of water source: Tonto National Forest  
Distance in miles from project: 0.33 miles
- 6) **Is the target wildlife species a result of transplant efforts?** YES☐   NO☒
- 7) **Please list any special land management status for the project site (i.e. Wilderness, National Park, National Monument). If private land, list landowner.**
- 8) **Please provide the following information about access to the proposed site:**  
Type of access (mark one): ☐2x4 vehicles   ☒4x4 only   ☐foot only\*\*  
  
\*\*If foot access only: Distance in miles: \_\_\_\_\_   Approximate hiking time: \_\_\_\_\_  
  
-- Does access to this site require crossing private or tribal lands? YES☐   NO☒  
  
-- Please describe any restrictions to public access:  
  
  
9) **Please list below (or on a separate sheet) the material type and dimensions of each component proposed to be added, modified, or repaired.**
- 10) **Was a site visit completed?** Yes☐   No☒  
If Yes, please list personnel that attended and date.

## **ARIZONA GAME AND FISH DEPARTMENT**

### **VOLUNTEER HOURLY RATES AND CLASSIFICATIONS WORKSHEET**

**PROJECT TITLE:** Bar X Dirt Tanks

The value of volunteer labor should be calculated at the hourly rate of an employee doing similar work, or using hourly rates from the Arizona Department of Administration's Human Resource web site, plus a standard ERE rate of 35%. [http://www.hr.state.az.us/ClassComp/CC\\_Job\\_Titles\\_with\\_Ranges.asp](http://www.hr.state.az.us/ClassComp/CC_Job_Titles_with_Ranges.asp)

\$0.445/mile should be the calculation used for mileage.

<b>Water Development</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
	50	900	\$14.14	
<b>Habitat Restoration and Clean Up</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Fisheries</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Nongame Branch Project</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Misc/office work</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			varies	\$400
<b>Community Services</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$7.44	
<b>Events and Other</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Research Branch</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$14.14	
<b>Wildlife Area Hosts</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$17.44	
<b>Education Programs</b>	<b>Volunteer Hours</b>	<b>Volunteer Miles</b>	<b>Hourly Rate</b>	<b>Estimated Value</b>
			\$16.07	
<b>Totals</b>				